



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/519,465

Source:

PCT

Date Processed by STIC:

1-12-05

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

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PCT

## RAW SEQUENCE LISTING

DATE: 01/12/2005

PATENT APPLICATION: US/10/519,465

TIME: 10:55:36

Input Set : A:\3190-069 Sequence Listing.txt

Output Set: N:\CRF4\01122005\J519465.raw

3 <110> APPLICANT: DOI, Hirofumi  
 4 HOSOGI, Shinya  
 5 WADA, Naoya  
 7 <120> TITLE OF INVENTION: MKK7 Activation Inhibitor  
 9 <130> FILE REFERENCE: 3190-069  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/519,465  
 12 <141> CURRENT FILING DATE: 2004-12-27  
 14 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/008179  
 15 <151> PRIOR FILING DATE: 2003-06-27  
 17 <150> PRIOR APPLICATION NUMBER: JP P 2002-190909  
 18 <151> PRIOR FILING DATE: 2002-06-28  
 20 <150> PRIOR APPLICATION NUMBER: JP P 2002-190910  
 21 <151> PRIOR FILING DATE: 2002-06-28  
 23 <160> NUMBER OF SEQ ID NOS: 46  
 25 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply  
 Corrected Diskette Needed  
 (pg. 1-4)

## ERRORED SEQUENCES

43 <210> SEQ ID NO: 2  
 44 <211> LENGTH: 6  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Homo sapiens  
 48 <220> FEATURE:  
 49 <221> NAME/KEY: MISC\_FEATURE  
 50 <223> OTHER INFORMATION: Partial sequence of MKK7, which is highly homologous to that  
 (SEQ  
 51 ID NO:4) of PAK4  
 54 <400> SEQUENCE: 2  
 56 Pro Pro Ala Arg Pro Arg  
 57 1 5  
 E--> 58 ~~1~~ delete  
 510 <210> SEQ ID NO: 26  
 511 <211> LENGTH: 20  
 512 <212> TYPE: PRT  
 513 <213> ORGANISM: Homo sapiens  
 515 <220> FEATURE:  
 516 <221> NAME/KEY: misc\_feature  
 517 <223> OTHER INFORMATION: Partial sequence of PAK4, showing high score in the local  
 alignment  
 518 between MKK7 and PAK4  
 521 <400> SEQUENCE: 26  
 E--> 523 ~~9~~ delete  
 526 Gly Gly Leu Ala Ile Pro Gln Ser Ser Ser Ser Ser Ser Arg Pro Pro

← This type  
 of error  
 is seen  
 globally  
 throughout  
 sequence.

527 1

5

10

15

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```

530 Thr Arg Ala Arg
531      20
620 <210> SEQ ID NO: 31
622 <211> LENGTH: 35
623 <212> TYPE: PRT
624 <213> ORGANISM: Homo sapiens
626 <220> FEATURE:
627 <221> NAME/KEY: misc_feature
628 <223> OTHER INFORMATION: Partial sequence of MKK7, showing high score in the local
alignment
629      between MKK7 and JIK
632 <400> SEQUENCE: 31
634 Leu Gly Glu Met Gly Ser Gly Thr Cys Gly Gln Val Trp Lys Met Arg
635 1      5      10      15
638 Phe Arg Lys Thr Gly His Val Ile Ala Val Lys Gln Met Arg Arg Ser
639      20      25      30
E--> 640 11 delete
641 Gly Asn Lys
E--> 642 35
793 <210> SEQ ID NO: 39
794 <211> LENGTH: 18
795 <212> TYPE: PRT
796 <213> ORGANISM: Homo sapiens
798 <220> FEATURE:
799 <221> NAME/KEY: misc_feature
802 <223> OTHER INFORMATION: Partial sequence of MKK7, showing high score in the local
alignment
803      between MKK7 and JIK
806 <400> SEQUENCE: 39
808 Leu Glu Gln Lys Leu Ser Arg Leu Glu Ala Lys Leu Lys Gln Glu Asn
809 1      5      10      15
812 Arg Glu
E--> 814 14 delete
853 <210> SEQ ID NO: 42
854 <211> LENGTH: 13
855 <212> TYPE: PRT
856 <213> ORGANISM: Homo sapiens
858 <220> FEATURE:
859 <221> NAME/KEY: misc_feature
860 <223> OTHER INFORMATION: Partial sequence of JIK, showing high score in the local
alignment
861      between MKK7 and JIK
864 <400> SEQUENCE: 42
866 Gln Arg Thr Lys Asp Ala Val Arg Glu Leu Asp Asn Leu
867 1      5      10
E--> 871 15 delete
908 <210> SEQ ID NO: 45
909 <211> LENGTH: 17
910 <212> TYPE: PRT
911 <213> ORGANISM: Homo sapiens
913 <220> FEATURE:
914 <221> NAME/KEY: misc_feature

```

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915 <223> OTHER INFORMATION: Partial sequence of MKK7, showing high score in the local alignment

916 between MKK7 and JIK

919 <400> SEQUENCE: 45

921 Lys His Gly Val Ile His Arg Asp Val Lys Pro Ser Asn Ile Leu Leu

922 1 5 10 15

925 Asp

E--> 930 16 *delete*

931 <210> SEQ ID NO: 46

932 <211> LENGTH: 16

933 <212> TYPE: PRT

934 <213> ORGANISM: Homo sapiens

936 <220> FEATURE:

939 <221> NAME/KEY: misc\_feature

940 <223> OTHER INFORMATION: Partial sequence of JIK, showing high score in the local alignment

941 between MKK7 and JIK

944 <400> SEQUENCE: 46

946 Arg His Asp Phe Val Arg Arg Asp Arg Pro Leu Arg Val Leu Ile Asp

947 1 5 10 15

E--> 989 17 *delete*

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/519,465

DATE: 01/12/2005

TIME: 10:55:37

Input Set : A:\3190-069 Sequence Listing.txt

Output Set: N:\CRF4\01122005\J519465.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:58 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2  
L:116 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:  
L:175 M:283 W: Missing Blank Line separator, <400> field identifier  
L:233 M:283 W: Missing Blank Line separator, <400> field identifier  
L:289 M:257 W: Feature value mis-spelled or invalid, Describe feature in <223> for SEQ ID#:15  
L:349 M:283 W: Missing Blank Line separator, <400> field identifier  
L:406 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:  
L:407 M:283 W: Missing Blank Line separator, <220> field identifier  
L:523 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:26  
L:582 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:  
L:583 M:283 W: Missing Blank Line separator, <220> field identifier  
L:640 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:31  
M:332 Repeated in SeqNo=31  
L:698 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:  
L:699 M:283 W: Missing Blank Line separator, <220> field identifier  
L:755 M:259 W: Allowed number of lines exceeded, <213> ORGANISM:  
L:814 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:39  
L:871 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:42  
L:930 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:45  
L:989 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:46